

## CLAIMS

What is claimed is:

1. 1. A system for generating electricity from a wind comprising:
  2. an enclosure for mounting within or in close proximity to the building, the enclosure
  3. having an air intake and an air exhaust;
  4. a wind turbine disposed within the enclosure between the air intake and the air
  5. exhaust, the wind turbine generating electricity from the wind received from the air intake;
  6. and
7. two or more air ducts, each air duct having a first end connected to an air duct intake
8. device for mounting on the building and a second end connected to the enclosure air intake.
1. 2. The system as recited in claim 1 wherein the first end of the two or more ducts
2. has a larger cross sectional area than the second end of the two or more ducts.
1. 3. The system as recited in claim 1 further comprising an intermediate duct
2. disposed between the enclosure air intake and the second ends of the two or more ducts.
1. 4. The system as recited in claim 1 wherein the air duct intake device is a grill
2. mounted on an exterior of the building.
1. 5. The system as recited in claim 1 wherein the air duct intake device is an air
2. scoop.

1           6.     The system as recited in claim 5 wherein the air scoop has a directional inlet  
2     that changes position in favor of the wind direction.

1           7.     The system as recited in claim 5 wherein the directional inlet is remotely  
2     controlled.

1           8.     The system as recited in claim 1 further comprising an air flow focusing  
2     device disposed within the enclosure between the enclosure air intake and the wind turbine.

1           9.     The system as recited in claim 1 wherein the enclosure is mounted within an  
2     attic of the building.

1           10.    The system as recited in claim 1 wherein the enclosure is mounted within a  
2     basement of the building.

1           11.    The system as recited in claim 1 wherein the enclosure is mounted outside the  
2     building and the two or more ducts are substantially disposed within the building.

1           12.    The system as recited in claim 1 wherein the wind turbine is mounted on a  
2     vibration dampener within the enclosure.

1           13.    The system as recited in claim 1 wherein the enclosure is insulated for sound.

1           14.    The system as recited in claim 1 further comprising a processor for monitoring  
2     and controlling the wind turbine.

1           15.    The system as recited in claim 1 further comprising an exhaust duct having a  
2     first end connected to the enclosure air exhaust and a second end connected to an air exhaust.

1        16. The system as recited in claim 15 wherein the air duct exhaust device is a grill  
2        mounted on an exterior of the building.

1        17. The system as recited in claim 15 wherein the cross sectional area of the  
2        exhaust duct is substantially larger than the cross sectional area of the two or more air ducts.

1        18. A building adapted to generate electricity from a wind comprising:  
2        an enclosure disposed within or in close proximity to the building, the enclosure  
3        having an air intake and an air exhaust;  
4        a wind turbine disposed within the enclosure between the air intake and the air  
5        exhaust, the wind turbine generating electricity from the wind received from the air intake;  
6        and

7        two or more air ducts, each air duct having a first end connected to an air duct intake  
8        device mounted on an exterior of the building and a second end connected to the enclosure  
9        air intake.

1        19. The building as recited in claim 18 wherein the first end of the two or more  
2        ducts has a larger cross sectional area than the second end of the two or more ducts.

1        20. The building as recited in claim 18 further comprising an intermediate duct  
2        disposed between the enclosure air intake and the second ends of the two or more ducts.

1        21. The building as recited in claim 18 wherein the air duct intake device is a grill.

1        22. The building as recited in claim 18 wherein the air duct intake device is an air  
2        scoop.

1           23. The building as recited in claim 22 wherein the air scoop has a directional

2   inlet that changes position in favor of the wind direction.

1           24. The building as recited in claim 22 wherein the directional inlet is remotely

2   controlled.

1           25. The building as recited in claim 18 further comprising an air flow focusing

2   device disposed within the enclosure between the enclosure air intake and the wind turbine.

1           26. The building as recited in claim 18 wherein the enclosure is mounted within

2   an attic of the building.

1           27. The building as recited in claim 18 wherein the enclosure is mounted within

2   the basement of the building.

1           28. The building as recited in claim 18 wherein the wind turbine is mounted on a

2   vibration dampener within the enclosure.

1           29. The building as recited in claim 18 wherein the enclosure is insulated for

2   sound.

1           30. The building as recited in claim 18 further comprising a processor for

2   monitoring and controlling the wind turbine.

1           31. The building as recited in claim 18 further comprising an exhaust duct having

2   a first end connected to the enclosure air exhaust and a second end connected to an air

3   exhaust mounted on the exterior of the building.

1                   32.    The building as recited in claim 18 wherein the air duct exhaust device is a  
2                   grill.

1           33. The building as recited in claim 18 wherein the cross sectional area of the  
2 exhaust duct is substantially larger than the cross sectional area of the two or more air ducts.